

# FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.01.

TOTAL AMOUNT OF PAYMENT

(\$ 180.00)

## Complete if Known

Application Number	10/626,314
Filing Date	07-24-2003
First Named Inventor	Lothar SCHWINK, et al
Examiner Name	1626
Group / Art Unit	SACKEY, Ebenezer O.
Attorney Docket No.	DEAV2002/0052 US NP

### METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account

Deposit Account Number: 18-1982  
Deposit Account Name: Aventis Pharmaceuticals Inc.

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments  
☐ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

### FEE CALCULATION

#### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	790	2001	395	Utility filing fee	
1002	350	2002	175	Design filing Fee	
1003	550	2003	275	Plant filing fee	
1004	790	2004	395	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$)

#### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims: 20\*\* =  x  =   
Independent Claims: 3\*\* =  x  =   
Multiple Dependent:  =

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	88	2201	44	Independent claims in excess of 3	
1203	300	2203	150	Multiple dependent claim, if not paid	
1204	88	2204	44	**Reissue independent claims over original patent	
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$)

\*\*or number previously paid, if greater; For Reissues, see above

### FEE CALCULATION (continued)

#### 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English Specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	430	2252	215	Extension for reply within second month	
1253	980	2253	490	Extension for reply within third month	
1254	1,530	2254	765	Extension for reply within fourth month	
1255	2,080	2255	1,040	Extension for reply within fifth month	
1401	340	2401	170	Notice of Appeal	
1402	340	2402	170	Filing a brief in support of an appeal	
1403	300	2403	150	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,370	2453	685	Petition to revive - unintentional	
1501	1,370	2501	685	Utility issue fee (or reissue)	
1502	490	2502	245	Design issue fee	
1503	660	2503	330	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	180.00
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	790	2809	395	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	790	2810	395	For each additional invention to be examined (37 CFR 1.129(b))	
1801	790	2801	395	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 180.00)

### SUBMITTED BY

Name (Print/Type)	Joseph Strupczewski, Reg. No. 50,903	Registration No. (Attorney/Agent)	50,903	Telephone	(908) 231-2387
Signature	<i>Joseph Strupczewski</i>			Date	01/03/2006

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Aventis Pharmaceuticals Inc. template



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Re Application of  
**Lothar SCHWINK, et al**

Examiner: Sackey, Ebenezer O

Art Unit: 1626

Application No.: 10/626,314

Filed: July 24, 2003

Title: **Substituted Diaryl Heterocyclic, Process for  
Their Preparation and Their Use as  
Medicaments**

I hereby certify that this correspondence is being  
deposited with the United States Postal Service as First  
Class Mail in an envelope addressed to Commissioner  
for Patents, P.O. Box 1450, Alexandria, VA 22313-  
1450, on

1-3-2006  
Date of Deposit  
Signature *Maribel Mendez*

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. 1.56, 1.97 AND 1.98**

Mail Stop  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Applicants submit herewith patents, publications, and other information of which they are aware, which they believe may be material, as defined in 37 C.F.R. 1.56(b), to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. 1.56(a). While the information referred to in this Information Disclosure Statement may be material pursuant to 37 C.F.R. 1.56(b), the filing of this Information Disclosure Statement is not intended to, pursuant to 37 C.F.R. 1.97(h), constitute an admission that any patent, publication or other information referred to is, or is considered to be, material to the patentability of this invention. Pursuant to 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information exists.

- ☐ (a) This Information Disclosure Statement is filed within the period set forth in §1.97(b) because it accompanies the new patent application submitted herewith, is filed within three months of the filing date of a national application or within three months of the date of entry of the national stage as set forth in §1.491 in an international application, or is believed to be filed before the mailing date of a first Office Action on the merits, or before the mailing of a first office action after the filing of a request for continued examination under §1.114 whichever event occurs last. However, in the event that the first office action has been mailed, the Commissioner is authorized to charge any fees under 37 C.F.R. 1.17(p) or credit any overpayment to Account No. 18-1982.

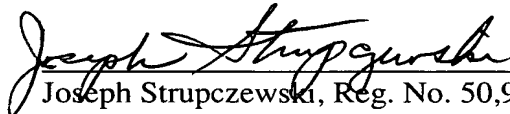
01/10/2006 SDENBOB1 00000056 181982 10626314

01 FC:1806 180.00 DA

- ☒ (b) This Information Disclosure Statement is filed after the period set forth in 37 C.F.R. 1.97(b), but is believed to be filed before the mailing date of a final action under §1.113 or a notice of allowance under §1.311, whichever occurs first.
- ☐ (1) The undersigned attorney certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement;
- ☐ (2) The undersigned attorney certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned attorney after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of this statement; or
- ☒ (3) This Information Disclosure Statement is accompanied by a transmittal letter in which payment of the fee set forth in §1.17(p) and required by 37 C.F.R. 1.97(c) is authorized.

Based on the new USPTO procedures, it is not required to submit copies of U.S. patents and U.S. publications for all applications filed after June 30, 2003. Therefore, a copy of the five (5) U.S. Patent Documents listed on the attached PTO-1449 form is not enclosed with this Information Disclosure Statement.

Respectfully submitted,

  
Joseph Strupczewski, Reg. No. 50,903  
Attorney/Agent for Applicant

Aventis Pharmaceuticals Inc.  
(a member of the sanofi-aventis group)  
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Telephone (908) 231-2387  
Telefax (908) 231-2626  
Aventis Docket No. **DEAV2002/0052 US NP**

PTO/SB/08A (10-96)  
Approved for use through 10/31/99. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/626,314
				Filing Date	07-24-2003
				First Named Inventor	Lothar SCHWINK, et al
				Group Art Unit	1626
				Examiner Name	SACEY, Ebenezer O.
Sheet	1	of	2	Attorney Docket Number	DEAV2002/0052 - US - NP

[illegible][illegible]

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

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PTO/SB/08B (10-96)  
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Substitute for form 1449B/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/626,314
		Filing Date	07-24-2003
		First Named Inventor	Lothar SCHWINK, et al
		Group Art Unit	1626
		Examiner Name	SACKEY, Ebenezer O.
		Attorney Docket Number	DEAV2002/0052 - US - NP
Sheet	2	of	2

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		DONALD J. CRAM et al., Host-Guest Complexation. 31. A Transacylase Partial Mimic, J. Am. Chem. Soc. (1984, pp. 4987-5000, Volume 106)	
		JON CHAMBERS et al., Melanin-concentrating hormone is the cognate ligand for the orphan G-protein-coupled receptor SLC-1, Letters to Nature (1999, pp. 261-265, Volume 400)	
		KENT D. STEWART et al., Host-Guest Complexation. 40. Synthesis And Complexation of Macrocyclic Hosts Containing Cyclic Ureas, Anisyls, and Steric Barriers, The Journal of Organic Chemistry (1986, pp. 4327-4337, Volume 51, No. 23)	
		ROELAND J. M. NOLTE et al., Host-Guest Complexation. 27. Hosts Containing Only Cyclic Urea Binding Sites, J. Am. Chem. Soc. (1984, pp.1416-1420, Volume 106)	
		SAITO Yumiko et al., Molecular characterization of the melanin-concentrating-hormone receptor, Letters to Nature, (1999, pp. 265-269, Volume 400)	
		VALERIE AUDINOT et al., Structure-Activity Relationship Studies of Melanin-concentrating Hormone (MCH)-related Peptide Ligands at SLC-1, the Human MCH Receptor, The Journal of Biological Chemistry (2001, pp.13554-13562, Volume 276, No. 17)	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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